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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/797,890	03/09/2004	Gary M. Palmgren	59474US002	5062
32692	7590 12/15/2004		EXAM	INER
3M INNOVA	ATIVE PROPERTIES	EVERHART, CARIDAD		
PO BOX 33427 ST. PAUL, MN 55133-3427			ART UNIT	PAPER NUMBER
,			2825	

DATE MAILED: 12/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/797,890	PALMGREN ET AL.				
Office Action Summary	Examiner	Art Unit				
	Caridad M. Everhart	2825				
The MAILING DATE of this communication ap	pears on the cover sheet with the					
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a rep - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailir earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be bly within the statutory minimum of thirty (30) of will apply and will expire SIX (6) MONTHS fro e, cause the application to become ABANDOI	timely filed lays will be considered timely. om the mailing date of this communication. NED (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on <u>9-30-2004</u> .						
	· -					
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1-20</u> is/are pending in the application	1					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)⊠ Claim(s) <u>1-16</u> is/are allowed.						
6)⊠ Claim(s) <u>17-20</u> is/are rejected.						
7) Claim(s) is/are objected to.	_					
8) Claim(s) are subject to restriction and/o	or election requirement.					
Application Papers						
	or					
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> </ul>						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summa					
<ol> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date</li> </ol>	Paper No(s)/Mail 5) Notice of Informal 6) Other:	Date Patent Application (PTO-152)				

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Applicant's arguments with respect to claims 17-20 have been considered but are most in view of the new ground(s) of rejection.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

## Claim Rejections - 35 USC § 103

Claim17-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sun, et al. (US 2004/0053460A1) in view of Fawcett (US 2002/0042200A1).

Sun, et al is relied upon as discussed in the first Office Action. Sun discloses a method of electropolishing a wafer in which the substrate is the anode(paragraph 101 and 0010) and the pad is the cathode(paragraph 0010 and 0053) and a conditioning element is periodically lowered to the contact pad(paragraph 0099). Other features of the disclosure made by Sun, et al are discussed in the previous Office Action.

Sun, et al does not disclose the electrical isolation of the surface of the conditioning pad

Fawcett discloses a conditioning surface and a conditioning pad which is of an electrically isolating material and may be polycarbonate(paragraph 0034 and claim 5). The conditioning pad can be used at the time of polishing, or in situ(paragraph 0007). The benefits disclosed for the conditioning pad include that the surface of the polishing pad is not abraded excessively and that diamond particles are not lost into the slurry(paragraphs 0005 and 0006).

It would have been obvious to one of ordinary skill in the art at the time of the invention to have combined the conditioning pad taught by Fawcett with the method

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taught by Sun, et al in order to obtain the benefits of the conditioning pad taught by

Fawcett.

Allowable Subject Matter

Claims 1-16 are allowed.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Caridad M. Everhart whose telephone number is 571-

272-1892. The examiner can normally be reached on Monday through Fridays 7:30-

4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Matthew S. Smith can be reached on 571-272-1907. The fax phone number

for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

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Business Center (EBC) at 866-217-9197 (toll-free).

C. Everhart 12-12-2004

CARIDAD EVERHART PRIMARY EXAMINED

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